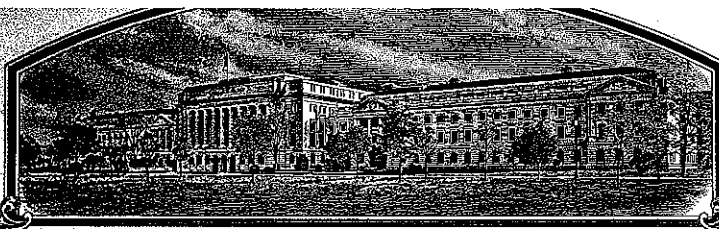


No.

200700247



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Syngenta Seeds, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMERICAL GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Palomino'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-third day of May, in the year two thousand and seven.

Attest:

Paul M. Jabane

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

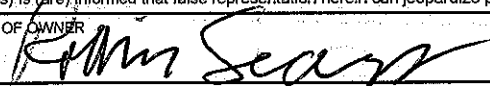
Phil Johnson

Secretary of Agriculture

**U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE**
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

| | | | |
|--|--|---|--|
| 1. NAME OF OWNER Syngenta Seeds, Inc. | | 2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER W96-359W | 3. VARIETY NAME Palomino |
| 4. ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country) 6515 Ascher Road Junction City, Kansas 66441 | | 5. TELEPHONE (include area code) 785-210-0218 | FOR OFFICIAL USE ONLY PVPO NUMBER 200700247 FILING DATE March 26, 2007 FILING AND EXAMINATION FEES: \$ 4382.⁰⁰ DATE 3/26/07 CERTIFICATION FEE: \$ 768.00 DATE 5/7/07 |
| 6. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM ORGANIZATION (corporation, partnership, association, etc.) Corporation | | 6. FAX (include area code) 785-210-0231 | |
| 7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM ORGANIZATION (corporation, partnership, association, etc.) Corporation | 8. IF INCORPORATED, GIVE STATE OF INCORPORATION Delaware | 9. DATE OF INCORPORATION 2000 | |
| 10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Dr. Rollin Sears 6515 Ascher Road Junction City, Kansas 66441 Copy to : Chris Bruns PO Box 30 Berthoud, CO 80513 crbruns@lpbroadband.net | | | |
| 11. TELEPHONE (Include area code) 785-210-0218 | 12. FAX (Include area code) 785-210-0231 | 13. E-MAIL rollin.sears@agripro.com | |
| 14. CROP KIND (Common Name) Hard White Winter Wheat | 16. FAMILY NAME (Botanical) Gramineae | 18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION. | |
| 15. GENUS AND SPECIES NAME OF CROP. Triticum aestivum | 17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | 20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input checked="" type="checkbox"/> YES (if "yes", answer items 21 and 22 below) <input type="checkbox"/> NO (if "no", go to item 23) | |
| 19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office) | | 21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED | |
| 23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.) | | 22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.) | |
| 25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties. | | 24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.) | |
| SIGNATURE OF OWNER  | | SIGNATURE OF OWNER | |
| NAME (Please print or type) Dr. Rollin Sears | | NAME (Please print or type) | |
| CAPACITY OR TITLE R&D Manager | DATE 4/2/2007 | CAPACITY OR TITLE | DATE |

(See reverse for instructions and information collection burden statement)

will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

#200700247

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 <http://www.ams.usda.gov/lsg/seed.htm>.

ITEM

- 19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
(2) the details of subsequent stages of selection and multiplication;
(3) evidence of uniformity and stability; and
(4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
(1) identify these varieties and state all differences objectively;
(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
(3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See *Regulations and Rules of Practice, Section 97.103*).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

The variety 'Palomino' will be constituted from Breeders seed, and proceed through Foundation, Registered and Certified in succeeding generations. Generations which may be multiplied will be limited to Breeders seed, Foundation, Registered and Certified.

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Certified seed stocks of Palomino will be available in the Fall of 2007.

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the *Regulations and Rules of Practice*.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

*Exhibit A.**Origin and Breeding History of Palomino*

Palomino was an F3 derived, single plant selection from the cross: WI90-008 (Mesa / Abilene) / W91-040 [Roazon / Wrangler // Vona / W76-1141 (Nadadores 63 / CO652643 // Centurk)]. The final cross for Palomino was made in 1992 and the plant selection based upon plant height, fertility and the absence of leaf rust was made in Berthoud, Colorado in 1994. The resulting F3:4 plant row was tested in preliminary yield trials in 1995 in the Central Plains and advanced on the basis of uniform plant height and the absence of leaf rust and soilborne mosaic virus symptoms. The line was given the experimental designation W96-359W and was subsequently tested as a pure-line in replicated trials in the Central Plains breeding program.

In 1998, 48 head rows were grown in Berthoud, Colorado and evaluated for phenotypic similarity. Twelve rows were selected and grown in 1999 in Berthoud, Colorado as individual progeny plots. A bulk of these rows was used for regional replicated trialing in 1999. The line was discarded in the Central Plains program, but three of the individual progeny were bulk harvested based upon an improved phenotype and later maturity compared to the majority mother line. This improved line was tested as W96-359W in the Pacific Northwest in 2000, and progressed in yield trials in 2001. In 2003, a 4.5 acre Breeders seed increase was grown in Colorado which produced 15,661 pounds of Foundation seed. In 2006, 78 acres of irrigated production in Quincy, Washington was planted to W96-359W producing Registered seed. The name Palomino was chosen as a permanent replacement for the experimental designation. A portion of Palomino Registered production was downgraded and sold as certified seed.

Palomino has been uniform and stable since 2003. Less than 0.8% of the plants were rogued from the Breeder seed increase in 2003. Approximately 90% of the rogued variant plants were taller height wheat plants (8 to 15 cm), 5% of the rogued plants were bronze chaffed and 5% of the rogued plants were awnless. Up to 1% variant plants may be encountered in subsequent generations. A red seeded variant of approximately 0.5% has also been identified in the Breeders seed production plots. Up to 0.7% red seeds may be encountered in subsequent generations

Exhibit B.
Statement of Distinctness

#200700247

Palomino is most similar to the hard red winter wheat 'AgriPro Paladin'. However, it can be easily distinguished by the following morphological characteristics:

- Palomino has a narrow glume width, (Berthoud, CO 2005 and 2006). AgriPro Paladin has a midwide glume width, (Berthoud, CO 2005 and 2006).
- Palomino has a long glume length, (Berthoud, CO 2005 and 2006). AgriPro Paladin has a midlong glume length, (Berthoud, CO 2005 and 2006).
- Palomino has white seed coat, (Berthoud, CO 2005 and 2006). AgriPro Paladin has red seed coat, (Berthoud, CO 2005 and 2006).
- Palomino has a green plant color at boot stage, (Berthoud, CO 2005 and 2006). AgriPro Paladin has blue green plant color at boot stage, (Berthoud, CO 2005 and 2006).
- Palomino has a wanting shoulder shape on the glume, (Berthoud, CO 2005 and 2006). AgriPro Paladin has an oblique shoulder shape on the glume, (Berthoud, CO 2005 and 2006).

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*Triticum* Spp.)

NAME OF APPLICANT(S)

Syngenta Seeds, Inc.

ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)

6515 Ascher Road

Junction City, Kansas 66441

FOR OFFICIAL USE ONLY

PVPO NUMBER

#200700247

NAME OR EXPERIMENTAL

DESIGNATION

Palomino

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in the first box when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized standard may be used to determine plant colors; designate system used.

Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

1=Common 2=Durum 3=Club 4=Other (specify) _____

2. VERNALIZATION:

1=Spring 2=Winter 3=Other (specify) _____

3. COLEOPTILE ANTHOCYANIN:

1=Absent 2=Present

4. JUVENILE PLANT GROWTH:

1=Prostrate 2=Semi-erect 3=Erect

5. PLANT COLOR (boot stage):

1 = Yellow-Green 2 = Green 3 = Blue-Green

6. FLAG LEAF (boot stage):

1 = Erect 2 = Recurved

1 = Not Twisted 2 = Twisted

7. EAR EMERGENCE:

Number of Days Earlier Than AgriPro Paladin *

Number of Days Later Than _____ *

8. ANTER COLOR:

1 = YELLOW 2 = PURPLE

9. PLANT HEIGHT (from soil to top of head, excluding awns): 89 cm's

cm Taller Than _____ *

cm Shorter Than AgriPro Paladin *

* Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial

5

10. STEM:

A. ANTHOCYANIN

2 1= Absent 2=Present

B. WAXY BLOOM

2 1=Absent 2=Present

C. HAIRINESS (*last internode of rachis*)

2 1=Absent 2=Present

D. INTERNODE (*specify number*)

1 1=Hollow 2=Semi-solid 3=Solid

E. PEDUNCLE

1 1=Erect 2=Recurved

0 9 cm Length

11. HEAD (*at Maturity*):

A. DENSITY

2 1=Lax 2=Middense 3=Dense

B. SHAPE

1 1 = Tapering 2= Strap 3 = Clavate 4 = Other (*specify*)

C. CURVATURE

1 1 = Erect 2 = Inclined 3 = Recurved

D. AWNEDNESS

4 1 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned

12. GLUMES (*at Maturity*):

A. COLOR

1 1 = White 2 = Tan 3 = Other (*specify*)

B. SHOULDER

1 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate

C. BEAK

3 1 = Obtuse 2 = Acute 3 =Acuminate

D. LENGTH

3 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm)

E. WIDTH

1 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm)

13. SEED:

A. SHAPE

1 1 = Ovate 2 = Oval 3 = Elliptical

B. CHEEK

1 1=Rounded 2=Angular

C. BRUSH

3 1=Short 2=Medium 3=Long

1 1 = Not Collared 2 = Collared

D. CREASE

1 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel

1 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

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13. SEED: (continued)

E. COLOR

☒ 1 = White 2 = Amber 3 = Red 4 = Other (specify) _____

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F. TEXTURE

☒ 1 = Hard 2 = Soft

G. PHENOL REACTION (see instructions):

☒ 1 = Ivory 2 = Fawn 3 = Light Brown 4 = Dark Brown 5 = Black

14. DISEASE: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant) 5=moderately resistant
PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED 6=moderately susceptible

| | |
|---|--|
| <input checked="" type="checkbox"/> 0 Stem Rust (<i>Puccinia graminis</i> f. sp. <i>tritici</i>) Field races | <input checked="" type="checkbox"/> 5 Leaf Rust (<i>Puccinia recondita</i> f. sp. <i>tritici</i>) Field races |
| <input checked="" type="checkbox"/> 5 Stripe Rust (<i>Puccinia striiformis</i>) | <input checked="" type="checkbox"/> 0 Loose Smut (<i>Ustilago tritici</i>) |
| <input checked="" type="checkbox"/> 0 Tan Spot (<i>Pyrenophora tritici-repentis</i>) | <input checked="" type="checkbox"/> 0 Flag Smut (<i>Urocystis agropyri</i>) |
| <input checked="" type="checkbox"/> 0 Halo Spot (<i>Selenophoma donacis</i>) | <input checked="" type="checkbox"/> 0 Common Bunt (<i>Tilletia tritici</i> or <i>T. laevis</i>) |
| <input checked="" type="checkbox"/> 0 <i>Septoria nodorum</i> (Glume Blotch) | <input checked="" type="checkbox"/> 0 Dwarf Bunt (<i>Tilletia controversa</i>) |
| <input checked="" type="checkbox"/> 0 <i>Septoria avenae</i> (Speckled Leaf Disease) | <input checked="" type="checkbox"/> 0 Karnal Bunt (<i>Tilletia indica</i>) |
| <input checked="" type="checkbox"/> 0 <i>Septoria tritici</i> (Speckled Leaf Blotch) Field races | <input checked="" type="checkbox"/> 5 Powdery Mildew (<i>Erysiphe graminis</i> f. sp. <i>tritici</i>) Field races |
| <input checked="" type="checkbox"/> 0 Scab (<i>Fusarium</i> spp.) | <input checked="" type="checkbox"/> 6 Snow Molds |
| <input checked="" type="checkbox"/> 0 Black Point (Kernel Smudge) | <input checked="" type="checkbox"/> 0 Common Root Rot (<i>Fusarium</i> , <i>Cochliobolus</i> and <i>Bipolaris</i> spp.) |
| <input checked="" type="checkbox"/> 0 Barley Yellow Dwarf Virus (BYDV) | <input checked="" type="checkbox"/> 0 Rhizoctonia Root Rot (<i>Rhizoctonia solani</i>) |
| <input checked="" type="checkbox"/> 0 Soilborne Mosaic Virus (SBMV) Field races | <input checked="" type="checkbox"/> 0 Black Chaff (<i>Xanthomonas campestris</i> pv. <i>translucens</i>) |
| <input checked="" type="checkbox"/> 0 Wheat Yellow (Spindle Streak) Mosaic Virus Field races | <input checked="" type="checkbox"/> 0 Bacterial Leaf Blight (<i>Pseudomonas syringae</i> pv. <i>syringae</i>) |
| <input checked="" type="checkbox"/> 0 Wheat Streak Mosaic Virus (WSMV) Field races | <input type="checkbox"/> Other (specify) _____ |
| <input checked="" type="checkbox"/> 0 Other (specify) _____ Spindle streak mosaic virus (SSMV) | <input type="checkbox"/> Other (specify) _____ |
| <input type="checkbox"/> Other (specify) _____ | <input type="checkbox"/> Other (specify) _____ |
| <input type="checkbox"/> Other (specify) _____ | <input type="checkbox"/> Other (specify) _____ |

15. INSECT: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

#200700247

| | | | |
|---------------------------------------|---|----------------------------|------------------------------------|
| <input checked="" type="checkbox"/> 1 | Hessian Fly (<i>Mayetiola destructor</i>) | <input type="checkbox"/> 0 | Other (specify) Wheat Curl Mite |
| <input type="checkbox"/> 0 | Stem Sawfly (<i>Cephus</i> spp.) | <input type="checkbox"/> | Other (specify) |
| <input type="checkbox"/> 0 | Cereal Leaf Beetle (<i>Oulema melanopa</i>) | <input type="checkbox"/> | Other (specify) |
| <input type="checkbox"/> 0 | Russian Aphid (<i>Diuraphis noxia</i>) | <input type="checkbox"/> | Other (specify) |
| <input type="checkbox"/> 0 | Greenbug (<i>Schizaphis graminum</i>) | <input type="checkbox"/> | Other (specify) |
| <input type="checkbox"/> 0 | Aphids | | |

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

Exhibit D.
Additional Description of Palomino

Palomino is a hard white winter wheat bred and developed by AgriPro (Syngenta Brand) intended for grain production. Palomino was tested under the experimental designation of W96-359W. Palomino is a medium-short semidwarf variety and has white chaff at maturity. It has medium-early maturity and excellent straw strength. Palomino is best adapted to the higher rainfall regions of western Idaho and eastern Washington and irrigated production in the southern Snake River region of Idaho and the Basin of Washington. Palomino is moderately resistant to stripe rust, leaf rust, and powdery mildew. Palomino is moderately susceptible to snow mold. Palomino is susceptible to Hessian fly.

Juvenile growth habit is semierect. Plant color at boot stage is green. Auricle anthocyanin and auricle hairs are present. Flag leaf at boot stage is erect and twisted. Waxy bloom is present on the head, stem and flag leaf sheath. Anther color is yellow. Head shape is tapering and awned. Glumes are glabrous, narrow in width and long in length with wanting shoulders and acuminate beaks. Seed shape is ovate. Brush hairs are long in size and occupy a large area of the seed tip. Seed crease depth is shallow and width is narrow. Seed cheeks are rounded.

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AgriPro Pacific North West Hard Wheat Quality Summary

| Year-Loc | Flour/Wheat Quality | | | | | Mixogram | | | Baking Quality | | | | Crumb | | | | | Comment |
|-----------------|---------------------|-------------|---------------|------------|--------|--------------|------------|------|----------------|----------------|-------------|--------------|-------------|-------|-----|-------|-------|---------|
| | Wht Prot | Flr Prot | Norris Hrd | Flr Yld | Ash | Peak Time | Peak Ht | Tol. | Bake Abs | BakePk Time | Loaf Vol | PLoaf Vol | L-PL Vol | Grain | Tex | Color | | |
| | 14%min | 14%min | | % | 14%min | min | N.U. | mm | % | min | cc | cc | cc | R | R | R | | |
| PALOMINO | | | | | | | | | | | | | | | | | | |
| 2006 - ML | | 11.8 | | | | 3.00 | 5.0 | 1183 | | | | | | | | | \$ | |
| 2006 - CW | | 12.1 | | | | 3.50 | 5.0 | 1266 | | | | | | | | | | |
| 2006 - CO | | 12.8 | | | | 2.75 | 5.3 | 767 | | | | | | | | | | |
| 2006 - BI | | 12.2 | | | | 2.50 | 5.3 | 694 | | | | | | | | | | |
| 2005 - ML | | 11.8 | | | | 4.25 | 5.0 | 1350 | | | | | | | | | | |
| 2005 - CH | 11.1 | 9.9 | 67 | 71.0 | 0.410 | 3.00 | 5.3 | 1018 | 62.0 | 3.30 | 815 | 784 | 32 | 5 | 4 | 3 | R | |
| 2004 - POM | | 11.8 | | | | 4.00 | 5.5 | 1285 | | | | | | | | | | |
| 2004 - POM | | 11.7 | | | | 4.25 | 5.5 | 1221 | | | | | | | | | W/CL- | |
| 2004 - CW | | 12.0 | | | | 4.75 | 4.8 | 1433 | | | | | | | | | | |
| 2004 - ADM | | 11.7 | | | | 4.00 | 5.3 | 1145 | | | | | | | | | | |
| 2004 - ADM | | 10.4 | | | | 4.75 | 5.0 | 1364 | | | | | | | | | W/CL- | |
| 2003 - | 11.7 | 10.3 | 57 | 70.1 | 0.360 | 4.50 | 5.0 | 1037 | 63.0 | 4.40 | 875 | 810 | 66 | 3 | 3 | 2 | | |
| 2003 - ML | | 11.0 | | | 0.376 | 3.75 | 5.0 | 1075 | | | | | | | | | | |
| 2003 - ML | 12.2 | 10.7 | 59 | 69.3 | 0.385 | 3.50 | 5.0 | 1133 | 66.5 | 3.80 | 860 | 836 | 25 | 3 | 3 | 3 | \$ | |
| 2002 - PNW | 13.1 | 11.8 | 55 | 67.7 | 0.370 | 4.00 | 5.0 | 1029 | 62.0 | | 955 | 907 | 48 | 4 | 3 | 4 | | |
| Average: | 12.0 | 11.5 | 60 | 69.5 | 0.380 | 3.77 | 5.1 | 1133 | 63.4 | 3.83 | 876 | 834 | 42 | 4 | 3 | 3 | | |
| AGRIPRO PALADIN | | | | | | | | | | | | | | | | | | |
| 2006 - ML | | 11.4 | | | | 4.00 | 5.0 | 1616 | | | | | | | | | \$ | |
| 2006 - CW | | 11.2 | | | | 3.50 | 5.0 | 1415 | | | | | | | | | | |
| 2006 - CO | | 12.4 | | | | 3.25 | 5.0 | 1126 | | | | | | | | | \$ | |
| 2006 - BI | | 12.1 | | | | 3.00 | 5.0 | 621 | | | | | | | | | \$ | |
| 2005 - ML | | 11.7 | | | | 4.50 | 5.0 | 1308 | | | | | | | | | | |
| 2005 - CH | 11.3 | 10.2 | 62 | 71.3 | 0.393 | 3.00 | 5.3 | 788 | 61.0 | 3.50 | 870 | 803 | 67 | 5 | 4 | 2 | | |
| 2004 - CW | | 10.2 | | | | 4.25 | 4.8 | 1070 | | | | | | | | | | |
| 2004 - ADM | | 11.4 | | | | 4.50 | 5.0 | 1432 | | | | | | | | | W/CL- | |
| 2004 - ADM | | 12.2 | | | | 4.50 | 5.0 | 1145 | | | | | | | | | | |
| 2003 - | 11.3 | 9.9 | 65 | 71.6 | 0.362 | 4.50 | 4.8 | 1172 | 63.0 | 4.50 | 860 | 784 | 77 | 3 | 3 | 2 | | |
| 2003 - ML | 11.6 | 10.3 | 63 | 72.2 | 0.383 | 3.50 | 5.0 | 1239 | 63.5 | 3.60 | 860 | 810 | 51 | 3 | 3 | 2 | | |
| 2002 - PNW | 12.5 | 11.3 | 55 | 69.4 | 0.360 | 3.50 | 5.0 | 1071 | 62.0 | | 945 | 875 | 71 | 4 | 3 | 3 | | |
| Average: | 11.7 | 11.2 | 61 | 71.1 | 0.375 | 3.83 | 5.0 | 1167 | 62.4 | 3.87 | 884 | 818 | 66 | 4 | 3 | 2 | | |

#200700247

TABLE XMC0508. STRIPE RUST INFECTION TYPE (IT) AND SEVERITY (%) ON CULTIVARS AND LINES IN THE WINTER AGRIPRO NURSERY (EXP08) AT WHITLOW FARM (LOC04) NEAR PULLMAN, WA AND MT VERNON, WA (LOC05) WHEN RECORDED AT THE INDICATED DATES AND STAGES OF PLANT GROWTH, 2005 UNDER NATURAL INFECTION
SUSCEPTIBILITY TO LEAF RUST (LR) & POWDERY MILDEW (PM) AT MT VERNON ARE MARKED WITH "X".

| Rust Screen ID | Variety | Parentage | 2005 PLOT | STRIPE RUST | | | SUSCEPTIBLE TO OTHER DISEASES LR PM | |
|----------------------|-----------------|-------------------------|--------------|-----------------|---------------------|-----------------|---|---|
| | | | | LOC 04 | LOC 05 | | | |
| | | | | 6/13/05 | 4/22/05 | 5/24/05 | | |
| | | | | Heading IT % | Stem Elong. IT % | Heading IT % | | |
| 1 | STEPHENS | NORD DUPREZ/PULLMAN 101 | 1 | - | 3 20 | 2-3 2 | | |
| 2 | MADSEN | VPM/MOISSON//2*/HILL81 | 2 | - | 8 40 | 2 2 | | |
| 3 | TUBBS | / | 3 | - | 8 60 | 2 10 | | |
| 4 | LAMBERT | / | 4 | - | 2 10 | 2 2 | | X |
| 5 | WESTBRED 528 | WESTBRED 470/MADSEN | 5 | - | 8 100 | 8 30 | | |
| 6 | BRUNDAGE 96 | / | 6 | - | 3-8 40 | 5 90 | | |
| 7 | BOUNDARY | / | 7 | - | 5 40 | 2 2 | | |
| 8 | DECLO | / | 8 | - | 2 10 | 2 2 | | X |
| 9 | CDC FALCON | / | 9 | - | 5 40 | 3 15 | | |
| 10 | JAGALENE | ABILENE/JAGGER | 10 | - | 8 100 | 8 80 | | |
| 11 | Agripro PALADIN | W190-008/W91-040 | 11 | - | 8 100 | 8 90 | | |
| 35 | PALOMINO | W190-008/W91-040 | 35 | 3 2 | 8 60 | 2 20 | | |
| 186 | BOUNDARY | / | 186 | 8 40 | 2 10 | 2 5 | | |
| 187 | DECLO | / | 187 | - | 2 5 | 2 2 | X | |
| 188 | CDC FALCON | / | 188 | - | 8 80 | 5 70 | | |
| 189 | JAGALENE | ABILENE/JAGGER | 189 | - | 8 60 | 8 100 | | |
| 190 | Agripro PALADIN | W190-008/W91-040 | 190 | - | 8 80 | 8 90 | | |
| 195 | PALOMINO | W190-008/W91-040 | 195 | - | 8 40 | 5 10 | | |
| 196 | NuHILLS | ABILENE/JAGGER | 196 | - | 8 60 | 8 100 | | |
| | PS 279 | (SUSCEPTIBLE CHECK) | 505 | - | 8 80 | 8 100 | | |
| | PS 279 | (SUSCEPTIBLE CHECK) | 506 | - | 8 80 | 8 100 | | |
| | PS 279 | (SUSCEPTIBLE CHECK) | 507 | - | 8 80 | 8 100 | | |
| | PS 279 | (SUSCEPTIBLE CHECK) | 508 | - | 8 80 | 8 100 | | |
| | BARLEY FILL | | 509 | | | | | |
| | BARLEY FILL | | 510 | | | | | |

* Plants were incidentally killed by herbicide.

2005 WESTERN FARM SERVICE HARD WHEAT YIELD SUMMARY

| (ck var.) | mdsn | mdsn | mdsn | mdsn | mdsn | mdsn | mdsn | mdsn | mdsn | eltn | eltn | eltn | eltn | mdsn | Overloc |
|-----------------|--------------|--------|-------------|---------|-------|---------|---------|--------|----------|-----------|------------|--------|---------|--------------|------------|
| | Pendleton,OR | Athens | Walla Walla | Pomeroy | Clyde | St John | Spangle | Colton | Endicott | Davenport | Harrington | Almira | Reardan | Kendrick, ID | Mean Yield |
| Yield Check | 115.4 | 142.8 | 86.6 | 68.0 | 81.6 | 96.8 | 109.7 | 81.0 | 75.8 | 115.6 | 113.5 | 84.7 | 111.6 | 117.5 | 100.0 |
| Declo | 110.0 | 135.1 | 87.5 | 65.2 | 83.5 | 86.7 | 93.0 | 93.0 | 86.5 | 113.6 | 106.4 | 84.5 | 112.7 | 107.4 | 97.5 |
| PALOMINO | 106.4 | 131.3 | 87.9 | 67.9 | 83.8 | 84.1 | 89.4 | 102.9 | 80.3 | 109.9 | 113.1 | 84.3 | 106.7 | 98.0 | 96.2 |
| Agripro PALADIN | 99.0 | 118.8 | 90.6 | 65.0 | 82.6 | 83.0 | 88.7 | 122.7 | 75.0 | 112.3 | 104.0 | 84.6 | 106.7 | 95.8 | 94.9 |
| W98-344 | 81.4 | 138.5 | 81.9 | 69.7 | 86.9 | 61.3 | 91.5 | 124.5 | 76.3 | 109.9 | 100.4 | 80.2 | 110.9 | 93.8 | 93.4 |
| Boundary | 86.2 | 122.1 | 69.7 | 64.5 | 80.4 | 62.1 | 96.9 | 96.2 | 87.1 | 119.3 | 88.4 | 80.6 | 104.6 | 125.1 | 91.7 |
| W96-054-08W | 103.4 | 102.2 | 71.3 | 58.1 | 81.4 | 88.6 | 68.6 | 91.8 | 73.7 | 115.2 | 99.9 | 71.9 | 105.1 | 71.8 | 85.9 |
| W98-157 | 77.8 | 98.0 | 84.7 | 71.2 | 87.6 | 34.8 | 93.8 | 104.0 | 82.4 | 113.0 | 98.4 | 74.4 | 98.0 | 98.0 | 86.7 |
| WA 7936 WSU | 52.7 | 123.2 | 76.7 | 54.0 | 78.7 | 31.9 | 109.2 | 88.2 | 78.5 | 95.1 | 96.4 | 76.0 | 112.8 | 102.6 | 84.0 |
| WA 7939 WSU | 53.7 | 126.7 | 78.6 | 53.4 | 75.6 | 29.3 | 104.4 | 82.9 | 71.3 | 111.3 | 70.3 | 73.2 | 95.1 | 108.8 | 80.9 |
| Moreland | 62.6 | 112.7 | 70.8 | 63.5 | 70.7 | 53.2 | 16.9 | 7.7 | 70.8 | 43.2 | 85.0 | 66.0 | 4.8 | 35.0 | 54.5 |
| MEAN | 86.2 | 122.9 | 80.6 | 63.7 | 81.2 | 64.7 | 87.5 | 90.5 | 78.0 | 105.3 | 97.8 | 78.2 | 97.2 | 95.4 | 87.8 |
| CV | 8.5 | 8.0 | 6.7 | 3.8 | 5.8 | 12.5 | 9.3 | 11.3 | 4.3 | 10.8 | 5.6 | 10.3 | 7.2 | 5.7 | |
| LSD | 12.7 | 14.6 | 9.8 | 4.9 | 8.5 | 16.4 | 14.2 | 17.5 | 6.2 | 18.1 | 9.1 | 14.9 | 11.6 | 9.1 | |

2005 WESTERN FARM SERVICE HARD WHEAT TEST WEIGHT SUMMARY

| Test Wt | Pendleton,OR | Athens | Walla Walla | Pomeroy | Clyde | St John | Spangle | Colton | Endicott | Davenport | Harrington | Almira | Reardan | Kendrick, ID | Mean TW |
|-----------------|--------------|--------|-------------|---------|-------|---------|---------|--------|----------|-----------|------------|--------|---------|--------------|---------|
| W96-054-08W | 60.1 | 60.7 | 59.0 | 62.9 | 61.6 | 61.4 | 59.9 | 62.9 | 57.7 | 60.7 | 59.2 | 59.2 | 60.1 | 61.2 | 60.5 |
| Declo | 60.1 | 60.5 | 59.4 | 60.3 | 59.6 | 60.3 | 61.4 | 60.7 | 58.5 | 60.1 | 61.2 | 61.2 | 60.5 | 60.7 | 60.3 |
| PALOMINO | 59.9 | 60.1 | 59.0 | 60.1 | 60.1 | 60.7 | 61.0 | 62.0 | 57.2 | 61.0 | 60.5 | 60.5 | 60.3 | 60.7 | 60.2 |
| Agripro PALADIN | 59.2 | 60.5 | 57.9 | 60.5 | 59.4 | 61.4 | 60.7 | 61.8 | 57.4 | 60.5 | 61.4 | 61.4 | 60.1 | 60.3 | 60.2 |
| W98-157 | 57.7 | 60.1 | 59.2 | 59.4 | 60.0 | 57.7 | 60.7 | 62.7 | 58.3 | 60.7 | 59.6 | 59.6 | 60.1 | 59.9 | 59.7 |
| W98-344 | 59.6 | 60.3 | 59.0 | 59.6 | 60.7 | 56.0 | 59.2 | 62.5 | 55.0 | 59.0 | 60.7 | 60.7 | 60.5 | 61.6 | 59.6 |
| Boundary | 59.4 | 59.4 | 56.8 | 57.9 | 59.4 | 57.9 | 59.6 | 61.4 | 56.8 | 59.4 | 59.6 | 59.6 | 59.2 | 58.8 | 58.9 |
| Check | 59.0 | 58.3 | 57.0 | 57.9 | 58.5 | 59.0 | 59.6 | 61.2 | 55.0 | 59.2 | 59.9 | 59.9 | 56.8 | 59.2 | 58.6 |
| WA 7936 WSU | 56.1 | 57.7 | 57.9 | 58.5 | 58.0 | 57.2 | 59.9 | 61.2 | 55.7 | 58.8 | 60.1 | 60.1 | 57.7 | 48.8 | 57.7 |
| WA 7939 WSU | 56.6 | 56.1 | 57.9 | 57.7 | 58.0 | 53.5 | 59.9 | 61.0 | 55.0 | 58.3 | 59.9 | 59.9 | 57.2 | 58.5 | 57.8 |
| Moreland | 55.0 | 58.8 | 57.2 | 58.8 | 56.1 | 51.5 | 55.0 | 48.7 | 54.4 | 46.7 | 59.0 | 59.0 | 58.1 | 48.9 | 54.8 |
| MEAN | 58.4 | 59.3 | 58.2 | 59.4 | 59.2 | 57.9 | 59.7 | 60.6 | 56.5 | 58.6 | 60.1 | 60.1 | 59.1 | 58.1 | 58.9 |

Check Variety - PGG-Endicott is Madsen

Check Variety - Davenport-Reardan is Eltan

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2005 AGRIPRO AGRONOMIC SUMMARY

| VARIETY | CLASS | AVG | AVG | AVG | AVG |
|--|-------|-----------------------------|-----------------------|----------------|---------------------|
| | | Heading (days after 1/1) | Stripe Rust Rating | Height (cm) | Lodging Severity |
| STEPHENS | SWW | 144.0 | 2.0 | 99.0 | 4.5 |
| MADSEN | SWW | 148.7 | 1.0 | 102.0 | 3.7 |
| TUBBS | SWW | 146.3 | 4.3 | 108.0 | 4.5 |
| LAMBERT | SWW | 145.3 | 3.3 | 112.0 | 5.4 |
| WESTBRED 528 | SWW | 143.7 | 3.7 | 100.0 | 5.4 |
| BRUNDAGE 96 | SWW | 141.7 | 5.0 | 101.0 | 4.5 |
| BOUNDARY | HRW | 147.7 | 6.0 | 104.0 | 3.5 |
| DECLO | HRW | 147.7 | 5.3 | 94.0 | 2.5 |
| CDC FALCON | HRW | 145.7 | 8.0 | 104.0 | 6.2 |
| Agripro PALADIN | HRW | 145.7 | 3.3 | 98.0 | 2.5 |
| PALOMINO | HWW | 142.3 | 4.0 | 97.0 | 5.2 |
| MEAN | | 143.9 | 4.6 | 103.1 | 5.3557 |
| Rating 1 = best score (resistant, short, strong straw, early, etc.); | | | | | |
| Rating 9 = worst score (susceptible, tall, weak straw, late, etc.) | | | | | |

2005 AGRIPRO TRIAL SUMMARY

| VARIETY | CLASS | Almira | | Cheney | | Connell | | Genesee | | Walla | | Blackfoot | | Overloc | |
|-----------------|-------|--------|------|--------|------|---------|------|---------|------|-------|------|-----------|------|---------|------|
| | | YIELD | TW | YIELD | TW | YIELD | TW | YIELD | TW | YIELD | TW | YIELD | TW | YIELD | TW |
| STEPHENS | SWW | 84.8 | 61.0 | 101.9 | 60.6 | 49.2 | 56.7 | 66.2 | 50.5 | 85.9 | 54.9 | 90.1 | 49.2 | 79.7 | 55.5 |
| MADSEN | SWW | 82.4 | 61.2 | 103.1 | 61.2 | 47.5 | 58.7 | 62.6 | 56.3 | 87.6 | 58.6 | 80.0 | 48.4 | 77.2 | 57.4 |
| TUBBS | SWW | 103.8 | 61.1 | 114.1 | 60.3 | 49.7 | 56.5 | 63.4 | 52.5 | 82.6 | 54.4 | 87.5 | 46.9 | 83.5 | 55.3 |
| LAMBERT | SWW | 97.4 | 61.2 | 106.5 | 61.1 | 42.4 | 56.6 | 66.8 | 54.0 | 82.9 | 56.6 | 104.4 | 53.5 | 83.4 | 57.2 |
| WESTBRED 528 | SWW | 102.3 | 62.4 | 105.8 | 61.6 | 52.0 | 59.5 | 73.0 | 55.7 | 95.1 | 59.2 | 108.6 | 54.7 | 89.5 | 58.9 |
| BRUNDAGE 96 | SWW | 100.6 | 62.1 | 110.4 | 61.9 | 43.3 | 55.2 | 60.7 | 49.2 | 79.6 | 56.3 | 92.0 | 49.5 | 81.1 | 55.7 |
| BOUNDARY | HRW | 87.2 | 61.2 | 82.4 | 61.2 | 54.1 | 55.5 | 52.7 | 56.8 | 63.8 | 56.7 | 77.1 | 46.8 | 69.5 | 56.4 |
| DECLO | HRW | 88.3 | 63.0 | 99.6 | 62.3 | 48.7 | 59.1 | 44.4 | 53.5 | 71.5 | 56.7 | 93.4 | 53.9 | 74.3 | 58.1 |
| CDC FALCON | HRW | 75.3 | 62.3 | 45.3 | 55.6 | 54.5 | 59.0 | 33.3 | 56.4 | 46.1 | 55.8 | 88.8 | 54.4 | 57.2 | 57.3 |
| Agripro PALADIN | HRW | 84.4 | 63.6 | 96.0 | 61.5 | 47.7 | 60.8 | 50.2 | 55.1 | 77.7 | 58.2 | 78.0 | 52.4 | 72.3 | 58.6 |
| PALOMINO | HWW | 88.1 | 64.2 | 97.0 | 62.8 | 49.6 | 60.0 | 62.1 | 55.7 | 83.3 | 59.4 | 97.6 | 52.4 | 79.6 | 59.1 |
| MEAN | | 89.5 | 62.8 | 89.0 | 60.7 | 47.7 | 58.4 | 55.4 | 54.7 | 73.1 | 57.4 | 94.2 | 53.5 | 74.8 | 57.9 |
| CV | | 7.2 | | 7.3 | | 15.4 | | 13.7 | | 9.6 | | 11.5 | | | |
| LSD | | 10.6 | | 10.6 | | 12.0 | | 12.4 | | 11.4 | | 17.7 | | | |

#200700247

2006 AGRIPRO TRIAL SUMMARY

| Variety | Class/Trait | CONNELL | | WALLA WALLA | | COLFAX | | MOSES LAKE | | BLACKFOOT | | ALMIRA | | OVERLOC AVG | |
|---------------------|-------------|---------|------|-------------|------|--------|------|------------|------|-----------|------|--------|------|-------------|------|
| | | Yield | Tw | Yield | Tw | Yield | Tw | Yield | Tw | Yield | Tw | Yield | Tw | Yield | Tw |
| STEPHENS | SWW | 69.2 | 57.0 | 114.3 | 60.4 | 128.9 | 61.3 | 129.5 | 57.4 | 105.4 | 52.3 | 82.7 | 58.8 | 105.0 | 57.9 |
| MADSEN | SWW | 74.9 | 58.2 | 110.3 | 61.0 | 131.6 | 61.7 | 132.1 | 59.8 | 106.6 | 55.6 | 88.8 | 60.0 | 107.4 | 59.4 |
| TUBBS | SWW | 76.2 | 56.9 | 117.7 | 61.1 | 134.8 | 60.1 | 136.3 | 55.8 | 117.4 | 54.9 | 93.1 | 58.2 | 112.6 | 57.8 |
| LAMBERT | SWW | 77.1 | 58.2 | 114.6 | 61.9 | 128.6 | 60.7 | 123.7 | 58.5 | 116.5 | 56.3 | 87.4 | 59.9 | 108.0 | 59.2 |
| WESTBRED 528 | SWW | 82.9 | 60.2 | 119.1 | 62.3 | 132.8 | 61.8 | 151.0 | 61.7 | 125.5 | 57.5 | 91.3 | 61.6 | 117.1 | 60.8 |
| BRUNDAGE 96 | SWW | 75.8 | 57.2 | 110.1 | 62.3 | 136.1 | 60.4 | 149.4 | 60.2 | 112.4 | 54.7 | 92.5 | 59.0 | 112.7 | 59.0 |
| BOUNDARY | HRW | 79.8 | 57.9 | 100.4 | 62.2 | 113.4 | 62.3 | 126.4 | 59.3 | 109.4 | 56.0 | 91.9 | 60.6 | 103.5 | 59.7 |
| DECLO | HRW | 73.5 | 60.5 | 105.1 | 63.0 | 123.1 | 64.0 | 143.6 | 62.1 | 113.5 | 58.2 | 69.9 | 60.9 | 104.8 | 61.5 |
| WB EDDY | HRW | 74.3 | 62.3 | 105.4 | 63.3 | 120.6 | 63.7 | 135.7 | 61.9 | 118.7 | 60.0 | 63.9 | 62.5 | 103.1 | 62.3 |
| AgriPro PALADIN | HRW | 77.4 | 62.5 | 106.3 | 63.8 | 124.7 | 63.9 | 146.1 | 62.3 | 121.2 | 60.4 | 75.6 | 62.1 | 108.5 | 62.5 |
| GOLDEN SPIKE | HWW | 73.1 | 60.7 | 77.1 | 60.2 | 108.2 | 58.7 | 84.2 | 55.4 | 117.5 | 58.8 | 62.8 | 59.3 | 87.2 | 58.8 |
| NuHORIZON | HWW | 72.6 | 63.1 | 103.0 | 63.5 | 109.0 | 63.9 | 135.7 | 63.3 | 113.8 | 60.4 | 60.4 | 61.9 | 99.1 | 62.7 |
| Palomino (W96-359W) | HWW | 81.1 | 62.7 | 105.1 | 63.4 | 126.5 | 63.7 | 145.2 | 63.0 | 120.0 | 59.9 | 70.0 | 62.8 | 108.0 | 62.6 |
| MEAN | | 75.5 | 59.3 | 113.6 | 61.7 | 128.8 | 61.5 | 136.4 | 59.1 | 115.7 | 56.0 | 85.7 | 60.2 | 109.3 | 59.6 |
| CV | | 7.9 | | 4.3 | | 4.2 | | 4.2 | | 6.7 | | 9.9 | | | |
| LSD | | 9.7 | | 8.0 | | 10.7 | | 9.2 | | 12.4 | | 13.7 | | | |

2006 AGRIPRO AGRONOMIC SUMMARY

| Variety | Class/Trait | AVG | Walla | Colfax | AVG | AVG | AVG |
|---------------------|-------------|-------------|-------------|-------------|--------|-------------|-------|
| | | Headin g | Stripe Rust | Stripe Rust | Height | Lodgin g | Worth |
| STEPHENS | SWW | 145 | R | R | 90 | 3.0 | 3.3 |
| MADSEN | SWW | 149 | R | R | 97 | 2.9 | 3.3 |
| TUBBS | SWW | 147 | 40S | 50S | 105 | 3.3 | 2.8 |
| LAMBERT | SWW | 146 | 5N | 30MS | 100 | 4.0 | 3.4 |
| WESTBRED 528 | SWW | 144 | <40S | R | 91 | 3.5 | 3.8 |
| BRUNDAGE 96 | SWW | 147 | 20MRMS | 10S | 93 | 2.9 | 3.3 |
| BOUNDARY | HRW | 147 | 40S | 50S | 90 | 3.0 | 3.2 |
| DECLO | HRW | 147 | 30S | 80S | 87 | 3.0 | 3.5 |
| WB EDDY | HRW | 145 | 80S | 90S | 92 | 3.0 | 2.8 |
| AgriPro PALADIN | HRW | 146 | 5S | TMS | 92 | 2.8 | 2.9 |
| GOLDEN SPIKE | HWW | 148 | 100S | 40S | 113 | 6.0 | 5.0 |
| NuHORIZON | HWW | 143 | 50S | 100S | 87 | 3.0 | 3.9 |
| Palomino (W96-359W) | HWW | 142 | 20S | TS | 86 | 2.9 | 3.1 |
| MEAN | | 147 | | | 98 | 3.3 | 3.5 |

Rating 1 = best score (resistant, short, strong straw, early, etc.);

Rating 9 = worst score (susceptible, tall, weak straw, late, etc.)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICEEXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

| | | |
|--|---|---|
| 1. NAME OF APPLICANT(S) Syngenta Seeds, Inc. | 2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER W96-359W | 3. VARIETY NAME Palomino |
| 4. ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country) 6515 Ascher Road Junction City, Kansas 66441 | 5. TELEPHONE (include area code) 785-210-0218 | 6. FAX (include area code) 785-210-0231 |
| | 7. PVPO NUMBER #200700247 | |

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☒ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

Please see following page.

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

Exhibit E.
Statement of the Basis of Applicant's Ownership

The variety for which Plant Variety Protection is hereby sought was developed by Dr. John Moffatt, an employee of Syngenta Seeds, Inc. By agreement between employees and Syngenta, all rights to any invention, discovery, or development made by the employee while employed by Syngenta, were assigned to Syngenta Seeds, Inc., with no rights of any kind pertaining to 'Palomino' being retained by the employees.

The variety 'Palomino' is owned by Syngenta Seeds, Inc.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

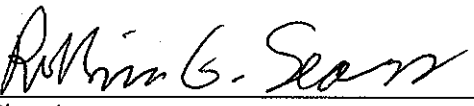
To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

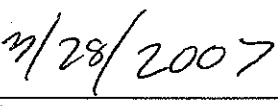
**U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705**

**EXHIBIT F
DECLARATION REGARDING DEPOSIT**

| | | |
|---|--|---|
| NAME OF OWNER (S) Syngenta Seeds, Inc. | ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 6515 Ascher Road Junction City, Kansas 66441 | TEMPORARY OR EXPERIMENTAL DESIGNATION W96-359W |
| NAME OF OWNER REPRESENTATIVE (S) Dr. Rollin Sears | ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 6515 Ascher Road Junction City, Kansas 66441 | VARIETY NAME Palomino FOR OFFICIAL USE ONLY PVPO NUMBER 200700247 |

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.


Signature


Date